

Project Descriptions for September 6, 2017
Board of Trustees Meeting

Clean Water Commitments

Taunton CW-17-08

The project will carry out comprehensive planning for all issues pertaining to the city's wastewater and stormwater systems. The specific project elements consist of completing the Environmental Impact Report (EIR) and Comprehensive Wastewater Management Plan (CWMP) that went through the draft stage several years ago. The city has a permitted CSO that requires planning for future operation. The project will also address the current MS4 needs. The treatment plant will be required to meet a new nitrogen limit, which will be addressed for the technical issues but also to qualify for the nutrient zero interest SRF funding. An update of the I&I and Sewer System Evaluation Study (SSES) of the collection system will be completed. The city will undertake an anti-degradation study for possible future expansion of the WWTP capacity.

Clean Water Agreements

Lawrence CW-16-14

This project will evaluate up to 20% of the City's collection system using a combination of manhole inspections, closed circuit television inspection, smoke testing, dye tracing, dye flooding, flow isolation and building inspections. The system will be assessed for both structural and operation and maintenance defects and findings will be summarized in a database that will assist with capital improvement prioritization. Up to 100 municipal separate storm sewer system (MS4) drainage catchment areas will be investigated to pinpoint illicit connections by means of rapid visual and olfactory inspections, wet and dry-weather sampling and bracketed ammonia, chlorine and surfactant sampling to isolate pipe segments for follow up closed circuit television and confirmatory dye testing investigations.

Plymouth CWP-16-07 and CWP-16-07-A

This project is for the emergency sewer forcemain repair and replacement in the Town of Plymouth, that is needed due to several breaks and resulting findings of excessive deterioration of the existing 30 inch ductile iron forcemain. The project will consist of three contracts: 1A) Emergency Response and bypass systems, 1B) Existing Forcemain- Slipline and Replacement, and 2 Redundant 24" sewer forcemain.

Revere CW-16-18

The continuation of this program is essential for the City to meet their goals and comply with the Consent Decree. There are a significant number of illicit sump pump, roof drain, roof leader, driveway drain, yard drain, etc. connections from private homes and businesses that must be removed from the sanitary sewer system in order to remove inflow and increase the wastewater capacity of the City's sewer system. These contracts become the mechanism to remove inflow.

Taunton CW-17-08

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Uxbridge CW-16-26-A and CW-16-26-B

The Uxbridge Wastewater Treatment Facility (WWTF) Upgrade will provide required improvements to the existing WWTF to allow it to meet its new NPDES permit. The facility cannot currently meet the conditions of its permit with its existing infrastructure. The facility is currently under a time-related Order of Consent, which provides a schedule for the facility to achieve full compliance with its NPDES permit.

Drinking Water Agreements**New Bedford DW-17-03**

The Lead Service Line Replacement Program – Phase I is the first phase of an aggressive, multi-year program to replace all remaining Lead Service Lines (LSLs) in the City of New Bedford within the next several years. The first phase of this program will replace about 1,000 to 1,500 LSLs in a two-year period throughout the City's water distribution system. The adverse health effects of lead exposure in children and adults are well documented, and no safe blood level threshold in children has been established. Lead exposure causes neurological and cognitive impairments in children and fetuses and can cause high blood pressure and kidney problems in adults. The City is committed to protecting public health and continuing to provide safe drinking water to all of its customers, and as such, this aggressive Lead Service Line Replacement Program demonstrates that commitment to maintain continued compliance with the Lead and Copper Rule.